AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions and listings of claims in the application:

LISTING OF CLAIMS:

1. - 8. (canceled).

9. (currently amended): A display drafting method comprising:

selecting a signal or data of a controlled system, where the signal or the data is stored in a memory of a controller and the controller controls operations of the controlled system; and

setting up a display drafting information for said selected signal or data after said signal or data is selected,

wherein said selected signal or data is used in display drafting and in a design of a control program for said controller, the design of a control program is performed separately from the display drafting,

wherein the control program for the controller is designed using a ladder diagram, and

wherein the selected signal or data is stored in a shared memory accessible to both the control program and the display drafting program.

10. (previously presented): The display drafting method according to claim 9, wherein said selecting the signal or data further comprises selecting a signal or data symbol and selecting a signal or data number.

11. (previously presented): The display drafting method according to claim 9, wherein

said setting up the display drafting information further comprises setting up a display component,

display mode and display function.

12. (previously presented): The display drafting method according to claim 10, further

comprising changing at least one of said signal or data symbol and said signal or data number

after setting up part of said display drafting information.

13. (previously presented): The display drafting method according to claim 9, further

comprising interrupting said setting up the display drafting information to save data of said

display drafting information.

14. (previously presented): The display drafting method according to claim 9, further

comprising interrupting said selecting of signal or data to save data of said signal or data

selection information.

15.-17. (canceled).

18. (currently amended): The display drafting ~~apparatus~~ method according to claim 9,

wherein the signal or data is one of an input signal, an output signal, an auxiliary signal, a count

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value, a timer value, and a numerical data of a controlled system, the programmable controller is

configured to control the operation of the controlled system.

19. (currently amended): ~~The~~ A display drafting ~~apparatus~~ method ~~according to claim 18,~~

comprising:

selecting a signal or data of a controlled system, where the signal or the data is stored in a

memory of a controller and the controller controls operations of the controlled system; and

setting up a display drafting information for said selected signal or data after said signal

or data is selected,

wherein the signal or data is one of an input signal, an output signal, an auxiliary signal, a

count value, a timer value, and a numerical data of a controlled system, the programmable

controller is configured to control the operation of the controlled system, and

wherein the controlled system is a production line.